## **CLAIMS**

## What is claimed is:

1. A method for treating hypoxia/ischemia (H/I) related blood flow resistance in an individual, said method comprising:

administering to the individual a suitable dose of interferon- $\beta$  or a functional part, derivative and/or analogue thereof.

- 2. The method according to claim 1, wherein said H/I related blood flow resistance is the result of a shortage in blood supply.
- 3. The method according to claim 1, wherein said H/I related blood flow resistance is restricted to a part of the body of said individual.
- 4. The method according to claim 2, wherein said H/I related blood flow resistance is restricted to a part of the body of said individual.
- 5. The method according to claim 3, wherein the part comprises the brain, the heart, a transplanted organ, and/or a limb.
- 6. The method according to claim 4, wherein the part comprises the brain, the heart, a transplanted organ, and/or a limb.
- 7. The method according to claim 4, wherein said hypoxia related blood flow resistance is restricted to a part of the brain and/or the heart.
- 8. The method according to claim 1, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.

- 9. The method according to claim 2, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.
- 10. The method according to claim 3, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.
- 11. The method according to claim 4, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.
- 12. The method according to claim 5, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.
- 13. The method according to claim 6, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.
- 14. The method according to claim 7, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.
- 15. A method for treating an H/I related blood flow resistance in an individual, wherein the individual has at least one blood vessel obstruction causing ischaemia in tissue that is situated downstream from said obstruction, said method comprising:

administering to the individual a therapeutic dose of interferon- $\beta$  or a functional part, derivative and/or analogue thereof.

16. A method for at least in part improving blood flow in post-ischemic tissue, said method comprising:

administering to an individual, having said tissue,  $\beta$ -interferon or a functional part, derivative and/or analogue thereof.

17. A method for at least in part preventing cell death in post-ischemic tissue, said method comprising:

administering to an individual having said tissue,  $\beta$ -interferon or a functional part, derivative and/or analogue thereof.